Started on	Saturday, 4 November 2023, 9:30 AM
State	Finished
Completed on	Saturday, 4 November 2023, 9:49 AM
Time taken	19 mins 25 secs
Grade	**2.00** out of 5.00 (**40**%)

Question **1**

Correct

Mark 1.00 out of 1.00

Which is false regarding pitch?

○ Pitch of a person keep changing as he/she speaks.

◉ Pitch solely determines the frequency present in a speech signal.   ✔

○ Pitch can be as high as 500Hz.

○ Pitch is determined by the rate of oscillation of glottis.

Your answer is correct.

The correct answer is:
Pitch solely determines the frequency present in a speech signal.

Question **2**

Incorrect

Mark 0.00 out of 1.00

Which of the following spectrograms does not capture the speech spectrum?

○ Fourier Phase

○ Pitch

◉ loudness   ✘

○ All of the above

Your answer is incorrect.

The correct answer is:
Fourier Phase

Question **3**

Incorrect

Mark 0.00 out of 1.00

When a spectrogram is used as input to a deep learning model for speech denoising, which of the following can be a valid loss function?

○ MSE between predicted and original spectrum

○ MSE between predicted and original waveform

○ Cross-entropy loss between normalized predicted and original spectra

◉ All of the above ✖

Your answer is incorrect.

The correct answer is:
MSE between predicted and original spectrum

Question **4**

Incorrect

Mark 0.00 out of 1.00

In a speaker verification system, which of the followings is true?

○ A speaker enrolls during verification phase

○ A speaker can be verified even if he/she is not enrolled

○ Verification phase needs to have access to the speech of enrolled speakers

◉ A speaker needs to be enrolled after verification phase is complete ✖

Your answer is incorrect.

The correct answer is:
Verification phase needs to have access to the speech of enrolled speakers

Question **5**

Correct

Mark 1.00 out of 1.00

Which of the following is an example of paralinguistics in speech?

○ speaker

○ language

◉ Emotion ✔

○ spoken content

Your answer is correct.

The correct answer is: Emotion